

depositing the fines onto conveyor means as a series of continuous lines;
heating the lines of fines without fully melting or cross-linking them until they
become sufficiently tacky to form agglomerated masses;
cooling such agglomerated masses; and
collecting the agglomerated masses.

18. A process as claimed in claim 17, comprising passing the fines under a
profiled comb or plate to form the continuous lines.

19. A process as claimed in claim 17, wherein the continuous lines of fines have
triangular profiles.

20. A process as claimed in claim 17, wherein the lines of fines have a depth of
0.5 to 1.0 cm.

21. A process as claimed in claim 17, wherein heating is by means of at least
one infra red lamp.

22. A process as claimed in claim 17, wherein the conveyor means is a moving
belt running at a speed to give the fines an exposure time of 1 to 5 seconds.

23. A process as claimed in claim 17, further comprising the step of processing
the lines of agglomerated mass to produce particles of a desired particle size.

24. A process as claimed in claim 17, wherein the fines are heated at a
temperature of 60 to 80°C.

25. A process as claimed in claim 24, wherein the fines are heated at a
temperature of 70°C.

26. A process as claimed in claim 17, wherein after cooling, the cooled lines of agglomerated mass are crushed to produce particles of a desired particle size.

27. A process as claimed in claim 26, wherein the cooled lines of agglomerated mass are crushed to produce particles having a size of 3.00mm to 212 microns.

28. A process as claimed in claim 27, wherein any crushed particles having a size of less than 212 microns are removed.

29. A process plant for recycling fines in accordance with a process for recycling fines as claimed in claim 1, the process plant including:

means for transporting the fines to be recycled as a series of continuous lines into a heating area and then into a cooling area.

30. A process plant as claimed in claim 29 including a profiled comb or plate for forming the fines in continuous lines.

31. The process plant of claim 29, wherein the means for transporting the fines into a heating area and cooling area work continuously.

32. The process plant of claim 29, wherein the means for transporting the fines into a heating area and then into a cooling area is a moving belt.

33. The process plant of claim 29, wherein the heating area has heating means including at least one infra red lamp.

34. The process plant of claim 29, wherein the heating area has heating means including at least one ultra violet lamp.